

Area Action

Multiply and add to find area.

GRADE 3 • 3.MD.C.7

CCSS.Math.Content.3.MD.C.7 "Relate area to the operations of multiplication and addition."

NAME _____

DATE _____

AREA RULES

Area tells how many square units cover a flat shape. For a rectangle, multiply length x width. When a shape is split into rectangles that do not overlap, find each area and add them.

WORKED EXAMPLE

Find the area of a rectangle that is 7 units long and 6 units wide.

1. Area = length x width.
2. $7 \times 6 = 42$.
3. The rectangle covers 42 square units.

Answer: 42 square units

PRACTICE 6 problems

- 1** Find the area of a rectangle that is 3 units long and 4 units wide.

ANSWER _____

- 2** Find the area of a rectangle that is 5 units long and 8 units wide.

ANSWER _____

- 3** Find the area of a rectangle that is 9 units long and 2 units wide.

ANSWER _____

- 4** A tiled rectangle has 4 rows with 5 square tiles in each row. What is its area?

ANSWER _____

- 5** A shape is made of two rectangles that touch but do not overlap. One rectangle is 3 units by 8 units. The other rectangle is 2 units by 8 units. What is the total area?

ANSWER _____

- 6** A rectangle has an area of 36 square units and a width of 4 units. What is its length?

ANSWER _____

APPLY IT Show your work

- 1** Mia is making a pixel-art banner for her game club. She fills a rectangle with 8 rows of 9 square stickers. How many square stickers cover the banner?

WORK SPACE

ANSWER _____

- 2** At a school book fair, a display mat is made from two rectangular sections that touch but do not overlap. One section is 5 feet by 9 feet, and the other section is 3 feet by 9 feet. What is the total area of the display mat?

WORK SPACE

ANSWER _____

CHALLENGE One step up

CHALLENGE

A rectangular game-zone floor is 9 feet long and 8 feet wide. A 3-foot by 5-foot corner is covered by a storage shelf and is not part of the game zone. What is the area of the game-zone floor?

PART 1 • PRACTICE

#	PROBLEM	ANSWER
1	Find the area of a rectangle that is 3 units long and 4 units wide.	12 square units
2	Find the area of a rectangle that is 5 units long and 8 units wide.	40 square units
3	Find the area of a rectangle that is 9 units long and 2 units wide.	18 square units
4	A tiled rectangle has 4 rows with 5 square tiles in each row. What is its area?	20 square units
5	A shape is made of two rectangles that touch but do not overlap. One rectangle is 3 units by 8 units. The other rectangle is 2 units by 8 units. What is the total area?	40 square units
6	A rectangle has an area of 36 square units and a width of 4 units. What is its length?	9 units

PART 2 • APPLY IT

1. **72 square stickers** Multiply 8×9 to find the number of square stickers. $8 \times 9 = 72$.
2. **72 square feet** Find each section's area: $5 \times 9 = 45$ and $3 \times 9 = 27$. Add $45 + 27 = 72$.

CHALLENGE

57 square feet

Accept correct area answers with square units, square feet, or the matching context unit. For split shapes, accept an addition equation that shows the area of each nonoverlapping rectangle.